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(19) **United States**(12) **Patent Application Publication****Chen et al.**(10) **Pub. No.: US 2014/0328296 A1**(43) **Pub. Date: Nov. 6, 2014**(54) **METHOD AND APPARATUS FOR WIRELESS
PEER-TO-PEER COMMUNICATION WITH
MULTIPLE RADIO INTERFACES**(75) Inventors: **Canfeng Chen**, Beijing (CN); **Jia Liu**,
Beijing (CN)(73) Assignee: **Nokia Corporation**, Espoo (FI)(21) Appl. No.: **14/352,688**(22) PCT Filed: **Oct. 27, 2011**(86) PCT No.: **PCT/CN2011/081448**

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(2013.01); **H04L 67/104** (2013.01)USPC **370/329**(57) **ABSTRACT**

Methods, apparatus, computer program products and wireless devices are provided for performing a wireless P2P communication application in a wireless device equipped with two or more radio interfaces. A method comprises establishing a first transport layer connection for transporting meta-information of a P2P communication application via a first radio interface; and establishing a second transport layer connection with at least one peer node for transporting data chunks of the P2P communication application by using a network address of a second radio interface, so that the data chunks can be transported via the second radio interface.

